

airport
[PK] iatacode latitude longitude

city
[PK] name [PK] country [PK] province latitude longitude

0..1

foreign key

segment_data
[PK] segment_id flight_id takeoff_location takeoff_time landing_location landing_time

0..n

0..n

landing\_time of a segment is always greater than its takeoff\_time

There are up to two segments with the same flight\_id

In case there are two segments belonging to particular flight\_id (seg1 and seg2), either seg1.landing\_location = seg2.landing\_location and seg1.landing\_time <= seg2.takeoff\_time, or vice versa. This way transfer is possible